

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|---|------------------|---------|------------------|
| S1 | 2 | ("5689363").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/10/27 16:29 |
| S2 | 0 | (q-switch or q near3 switch or pockel or kerr) same ((gain near3 medium) or amplifier) same (pump near3 source) same pulse | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2005/10/27 16:33 |
| S3 | 0 | (q-switch\$3 or q near3 switch\$3 or pockel or kerr) same ((gain near3 medium) or amplifier) same (pump near3 source) same pulse | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2005/10/27 16:32 |
| S4 | 53 | (q-switch or q near3 switch or pockel or kerr) same ((gain near3 medium) or amplifier) same (pump near3 source) same pulse | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2005/10/28 14:35 |
| S5 | 10 | ("5285310").URPN. | USPAT | AND | ON | 2005/10/28 10:48 |
| S6 | 0 | ("5285310").rlpn. | USPAT | AND | ON | 2005/10/28 09:42 |
| S7 | 2 | ("5689653").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/10/28 10:48 |
| S8 | 19 | (q-switch or q near3 switch or pockel or kerr) same ((gain near3 medium) or amplifier) same (pump near3 source) same pulse and detector | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2005/10/28 14:38 |
| S9 | 53 | (q-switch or q near3 switch or pockel or kerr) same ((gain near3 medium) or amplifier) and (pump near3 source) same pulse and detector | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2005/10/31 09:22 |
| S10 | 6 | ((("6122097") or ("3824492"))).PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/10/28 14:56 |

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|-----|-----|--|---|-----|----|------------------|
| S11 | 63 | (q-switch or q near3 switch or pockel or kerr) same ((gain near3 medium) or amplifier) and (pump near3 source) same pulse and (detector or sensor) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2005/11/03 15:21 |
| S12 | 10 | (q-switch or q near3 switch or pockel or kerr) same ((gain near3 medium) or amplifier) and (pump near3 source) same pulse and (detector or sensor) and (optical near3 diode) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2005/11/03 16:25 |
| S13 | 160 | (ring near3 laser) and (optical near diode)\ | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2005/11/03 16:26 |
| S14 | 160 | (ring near3 laser) and (optical near diode) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2005/11/03 16:29 |
| S15 | 63 | (ring near3 laser) same (optical near diode) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2005/11/03 16:30 |

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|------------------------------------|---|------------------|---------|------------------|
| S1 | 397 | (laser near3 diode) same flashlamp | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2005/11/02 16:01 |

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|-------|--|---|------------------|---------|------------------|
| S1 | 19465 | (rotate or angle) same mirror same length | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2005/11/08 16:45 |
| S2 | 3590 | (rotate or angle) same mirror same length same laser | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2005/11/08 16:45 |
| S3 | 2101 | (rotate or angle) same mirror same length same laser | USPAT | AND | ON | 2005/11/08 16:46 |
| S4 | 183 | (rotate or angle) same mirror same length same laser same resonator | USPAT | AND | ON | 2005/11/08 16:50 |
| S5 | 2 | ("0000372").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/11/08 16:47 |
| S6 | 39754 | ("372").CLAS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/11/08 16:48 |
| S7 | 152 | S4 and S6 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2005/11/08 16:48 |
| S8 | 75 | (rotate or angle) with mirror same length same laser same resonator | USPAT | AND | ON | 2005/11/09 08:34 |
| S9 | 10 | ((rotate or angle) with (mirror or reflector) with (smooth or flat)) same (length or distance) same laser same resonator | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2005/11/09 08:40 |
| S10 | 24 | ((rotate or angle) with (mirror or reflector) with (smooth or flat)) same (length or distance) and laser and resonator | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2005/11/14 15:54 |

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|-----|----------|---|---|-----|----|------------------|
| S11 | 215 | ((rotate or angle) with (mirror or reflector) with (smooth or flat)) same (length or distance) and laser | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2005/11/14 16:15 |
| S12 | 24 | ((rotate or angle) with (mirror or reflector) with (smooth or flat)) same (length or distance) and laser and resonator | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2005/11/14 15:55 |
| S13 | 24743878 | "1" not S12 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2005/11/14 15:57 |
| S14 | 21461261 | "2" not S12 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2005/11/14 15:57 |
| S15 | 191 | S11 not S12 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2005/11/15 11:20 |
| S16 | 13 | ((rotate or angle) with (mirror or reflector) with (smooth or flat)) same (length or distance) with (ring or resonator or cavity) and laser | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2005/11/14 16:16 |
| S17 | 1066 | (length with (laser or cavity or ring)) and ((ring adj2 resonator) or (ring adj2 lser) or (laser andj gyro\$5)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2005/11/15 11:23 |
| S18 | 828 | (length with (laser or cavity or ring)) and ((ring adj2 resonator) or (ring adj2 lser) or (laser andj gyro\$5)) and laser | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2005/11/15 11:24 |
| S19 | 759 | (length with (laser or cavity or ring)) and ((ring adj2 resonator) or (ring adj2 lser) or (laser andj gyro\$5)) and laser | US-PGPUB; USPAT | AND | ON | 2005/11/15 11:41 |

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|-----|-----|---|--------------------|-----|----|------------------|
| S20 | 578 | (length with (cavity or ring)) and ((ring adj2 resonator) or (ring adj2 lser) or (laser andj gyro\$5)) and laser | US-PGPUB; USPAT | AND | ON | 2005/11/15 11:41 |
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|-------|------|---|---|------------------|---------|------------------|
| S1 | 246 | (detect\$4) same (relax\$6 near3 pulse) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2005/11/04 08:27 |
| S2 | 62 | (detect\$4) same (relax\$6 near3 pulse) and laser | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2005/11/04 13:19 |
| S3 | 2 | ("4479220").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/11/04 12:59 |
| S4 | 0 | (detect\$4) same (relax\$6 near3 pulse) and laser and (less near than) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2005/11/04 13:20 |
| S5 | 0 | (detect\$4) same (relax\$6 near3 pulse) and (less near than) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2005/11/04 13:20 |
| S6 | 0 | (detect\$4) same (relax\$6 near3 (pulse or oscillation)) and (less near than) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2005/11/04 13:21 |
| S7 | 0 | (detect\$4) and (relax\$6 near3 (pulse or oscillation)) and (less near than) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2005/11/04 13:24 |
| S8 | 0 | (detect\$4) and (relax\$6 near3 (pulse or oscillation)) and (less near3 (then or than)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2005/11/04 13:25 |

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|-----|------|---|---|-----|----|------------------|
| S9 | 1154 | (detect\$4) and (relax\$6 near3 (pulse or oscillation)) and (less) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2005/11/04 13:25 |
| S10 | 55 | (detect\$4) same (relax\$6 near3 (pulse or oscillation)) same (less) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2005/11/04 13:51 |
| S11 | 11 | (detect\$4) same (relax\$6 near3 (pulse or oscillation)) same (less) and laser | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2005/11/04 14:54 |
| S12 | 1992 | (aperture) same (single near4 mode) and laser | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2005/11/04 14:55 |
| S13 | 1072 | (aperture) same (single near4 mode) same laser | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2005/11/04 14:56 |
| S14 | 141 | (aperture) same (single near4 mode) same laser same resonator | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2005/11/07 15:04 |
| S15 | 1156 | adjustable near reflector | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2005/11/04 16:01 |
| S16 | 2 | adjustable near reflector and ring near laser | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2005/11/04 16:01 |

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|---------------------------------|------------------|---------|------------------|
| S1 | 1 | CAAAAAAAAA1629 | US-PGPUB; USPAT; EPO; JPO | AND | ON | 2005/10/28 16:08 |
| S2 | 381 | (dane near2 (C\$2 or clifford) or Hackel near2 (I\$2 or lloyd)or Harris near2 (F\$2 or fritz)).in. | US-PGPUB; USPAT; EPO; JPO | AND | ON | 2005/10/28 16:16 |
| S3 | 113 | (dane near (C\$2 or clifford) or Hackel near (I\$2 or lloyd)or Harris near (F\$2 or fritz)).in. | US-PGPUB; USPAT; EPO; JPO | AND | ON | 2005/10/31 08:33 |
| S4 | 113 | (dane near (C\$2 or clifford) or Hackel near (I\$2 or lloyd)or Harris near (F\$2 or fritz)).in. | US-PGPUB; USPAT; EPO; JPO | AND | ON | 2005/10/31 08:34 |
| S5 | 15 | S4 and detector | US-PGPUB; USPAT; EPO; JPO | AND | ON | 2005/10/31 08:39 |